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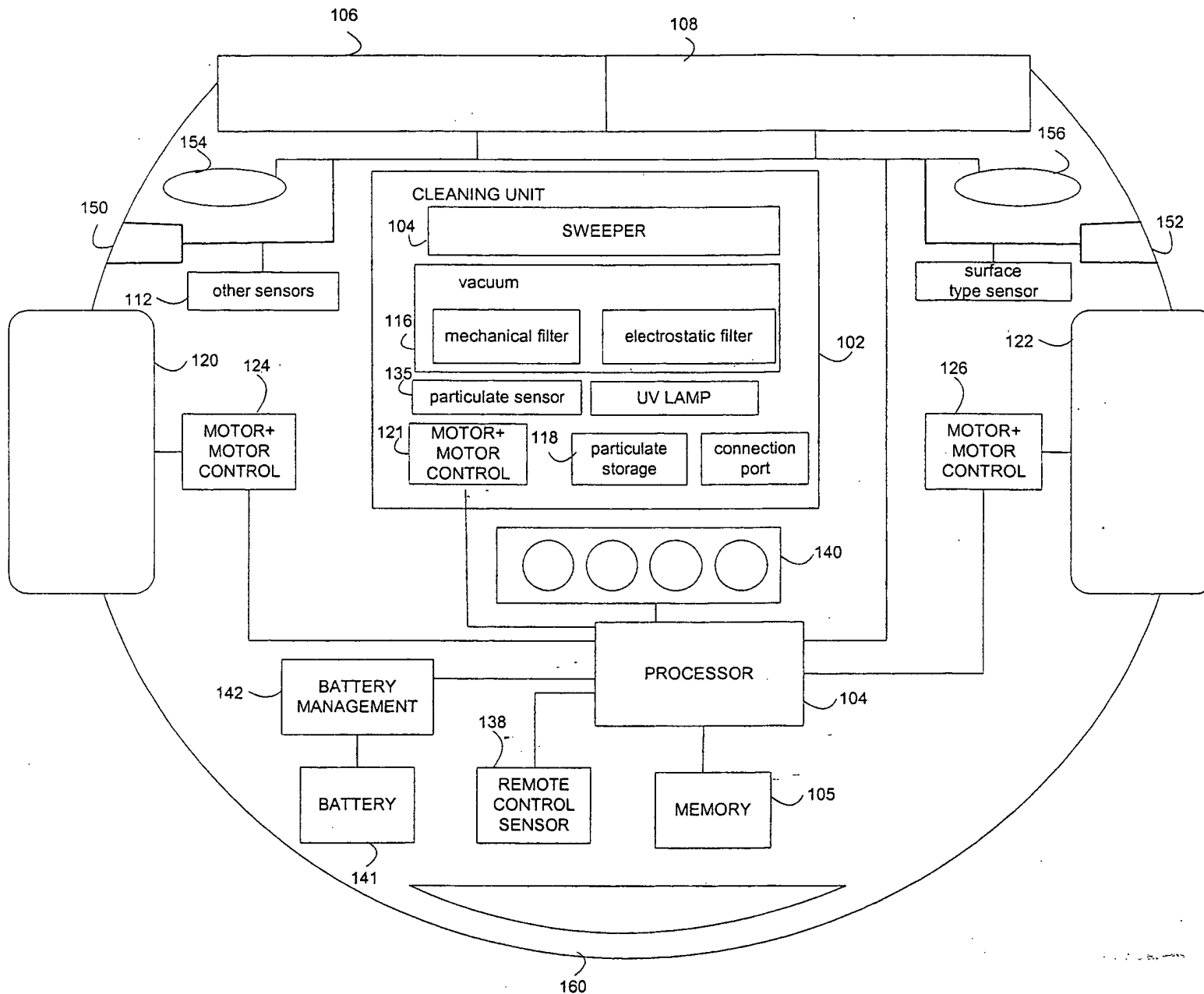


FIGURE 1A

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USc
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith

Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 375096185 US

Sheet 1 of 15

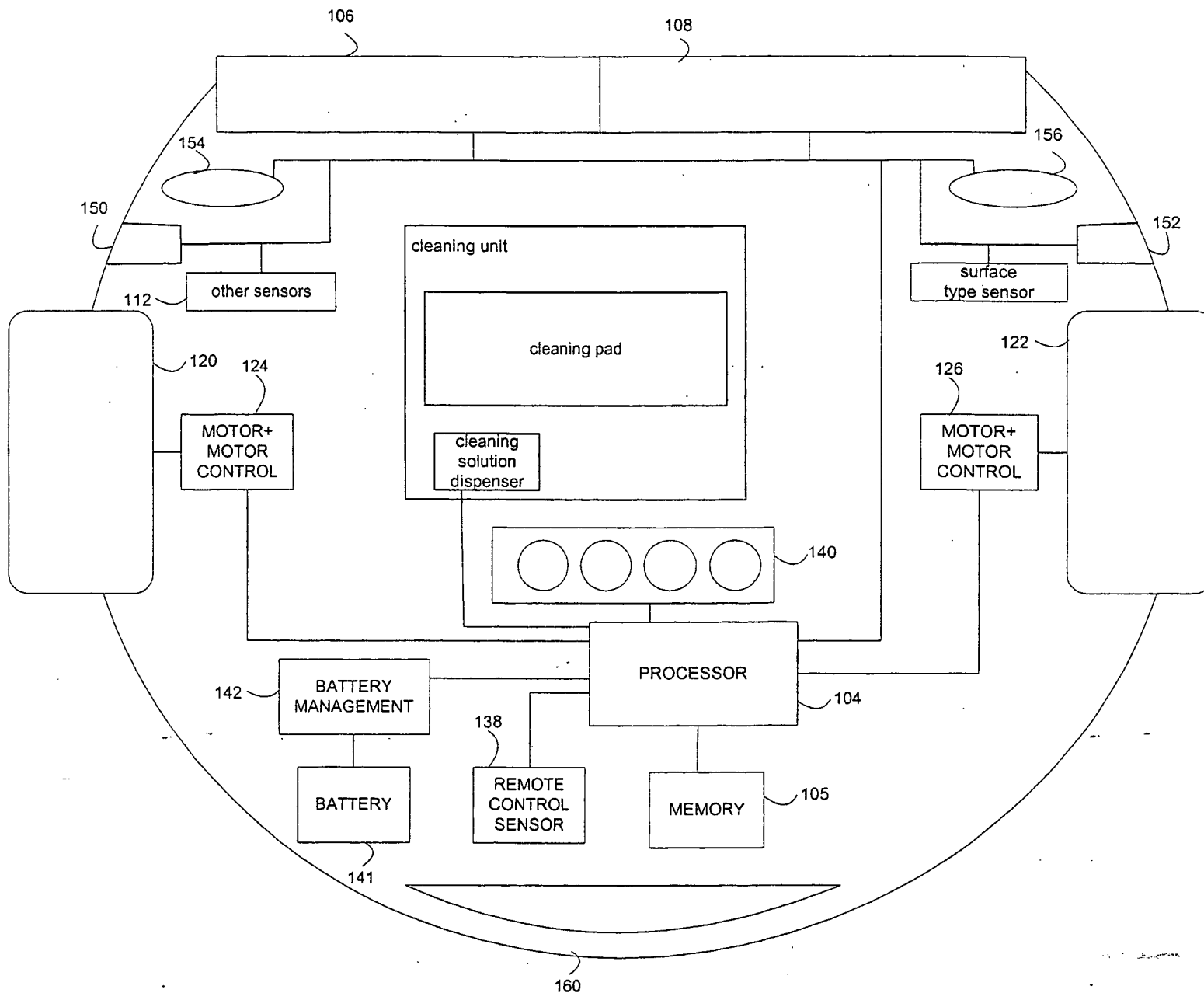


FIGURE 1B

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USc
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith

Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 3750961 ⁴⁷ 5 US

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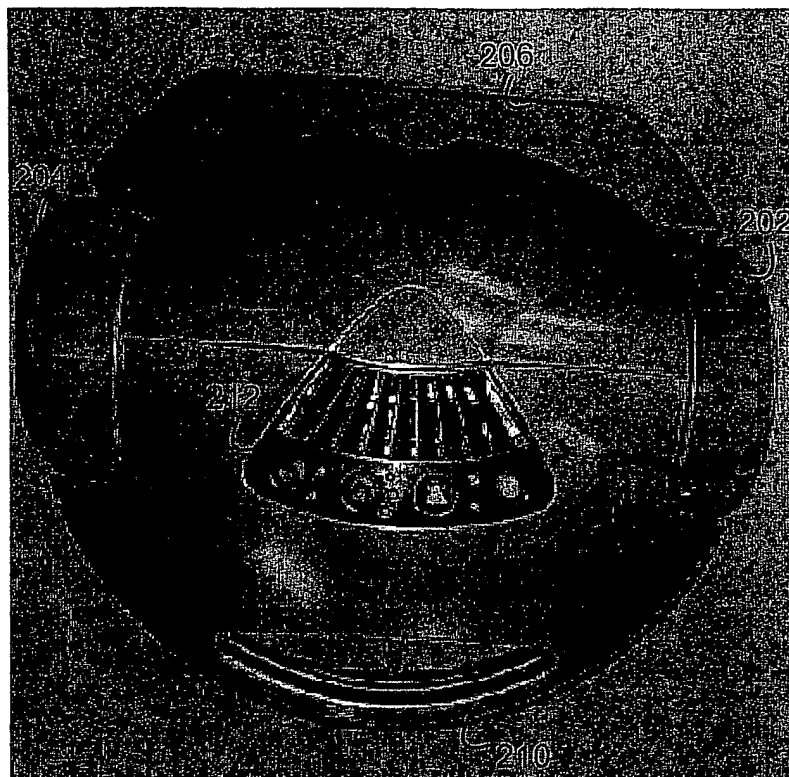


FIGURE 2A

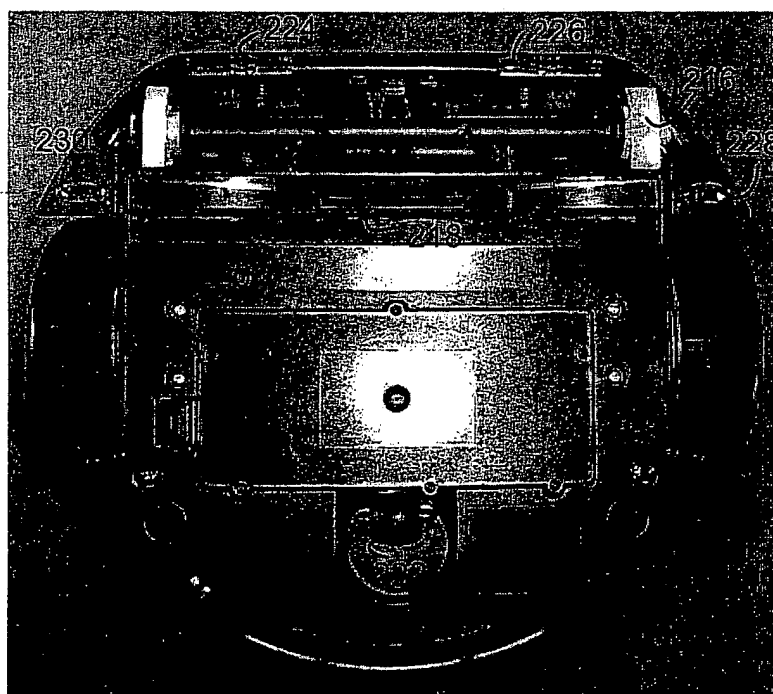


FIGURE 2B

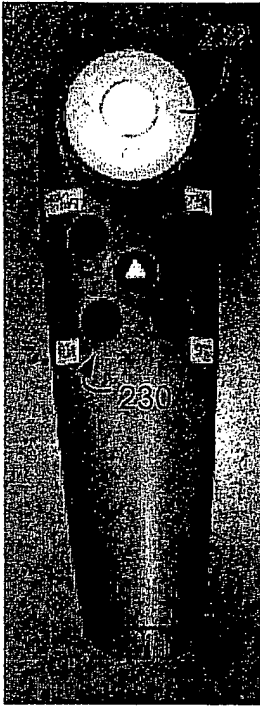


FIGURE 2F



FIGURE 2C



FIGURE 2D

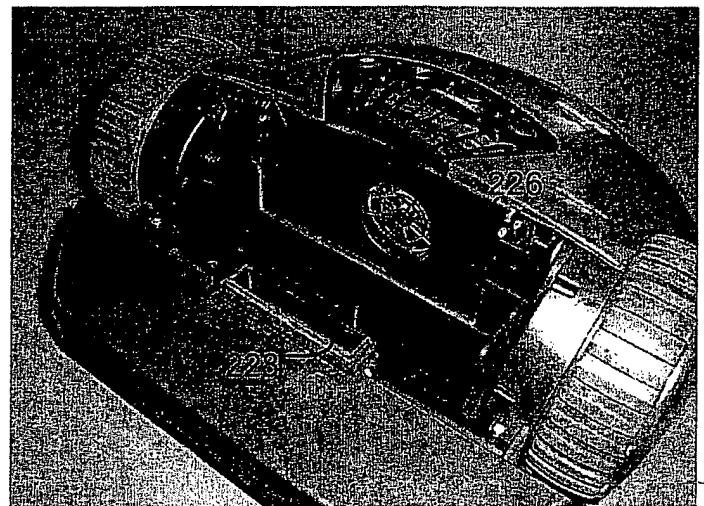


FIGURE 2E

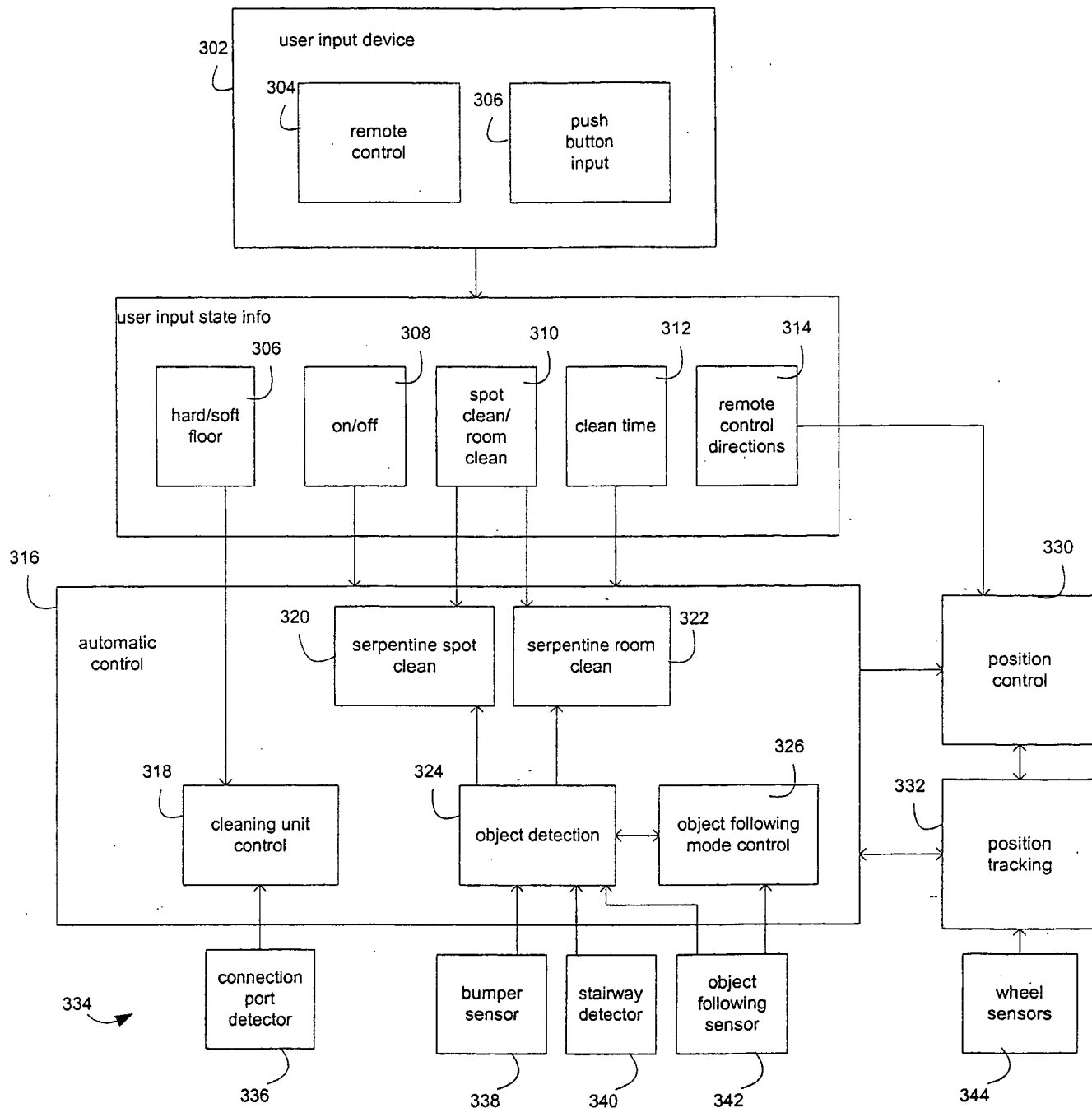


FIGURE 3

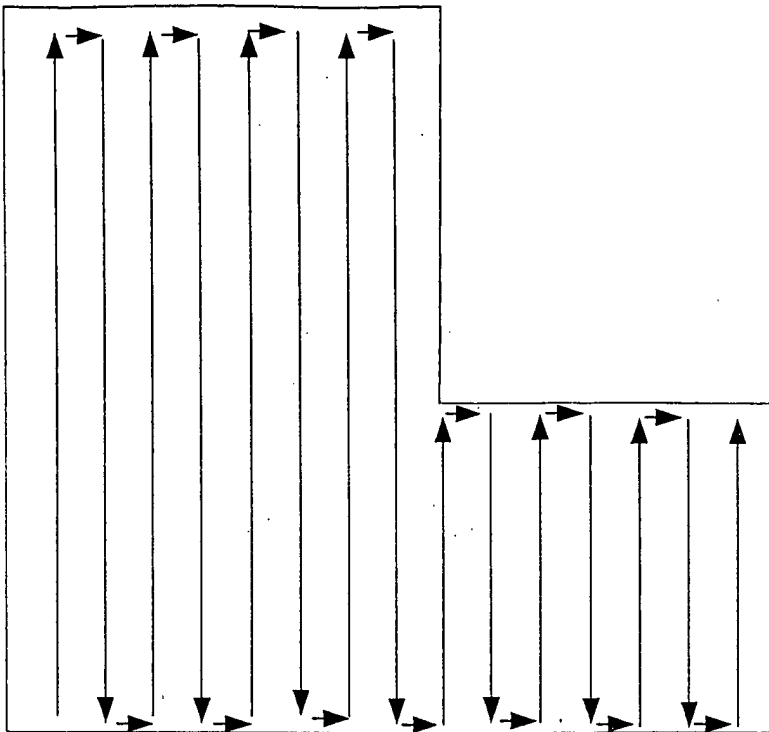


FIGURE 4

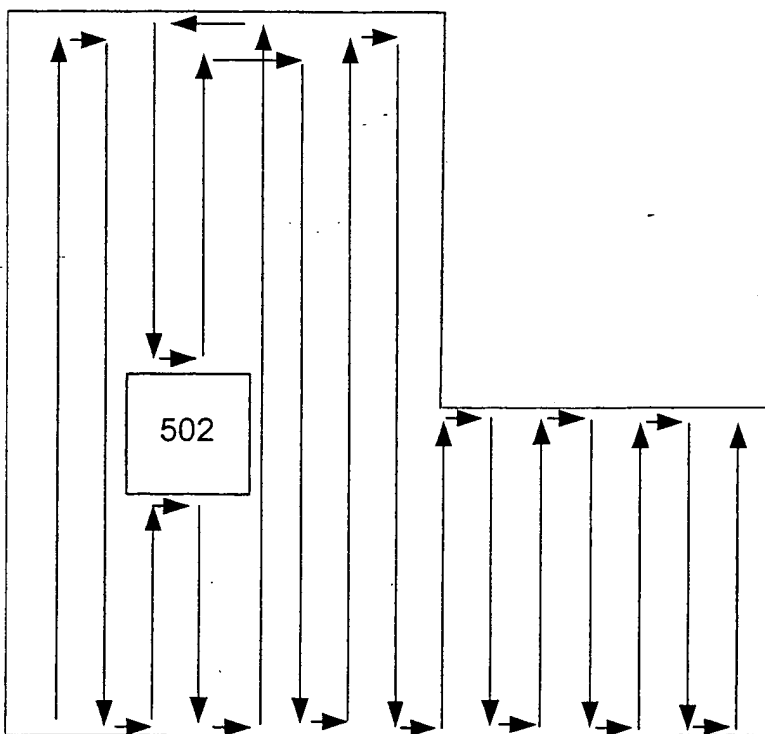


FIGURE 5

Title: Robotic Vacuum with Localized Cleaning Algorithm

Docket No.: SHPR-01360USc

Appl. No.: To be assigned

Confirm No.: To be assigned

Filed: Herewith

Inventor(s): Parker

Attorney: Joseph P. O'Malley

Phone: (415) 362-3800

Express Mail No: EV 375096153 US

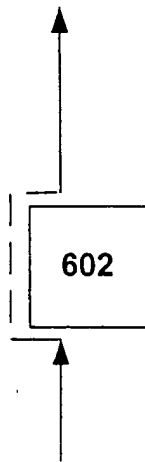


FIGURE 6

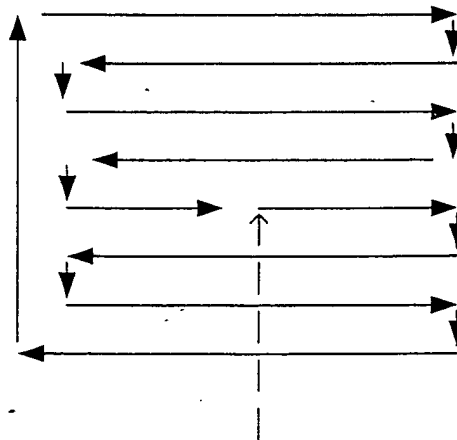


FIGURE 7

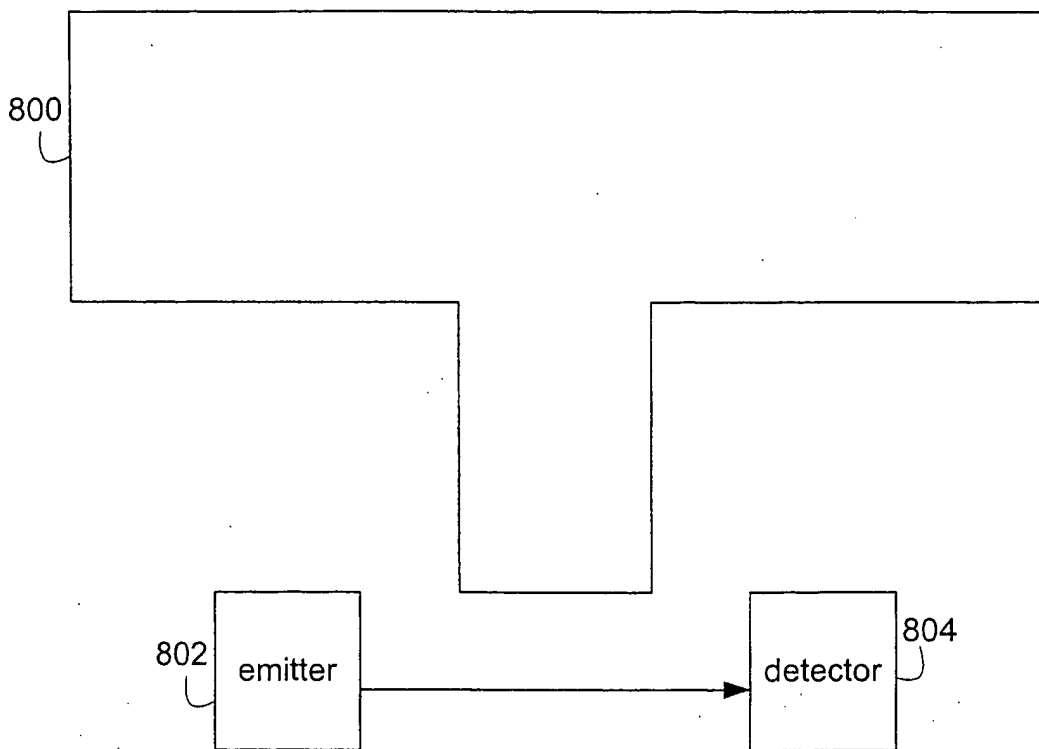


FIGURE 8A

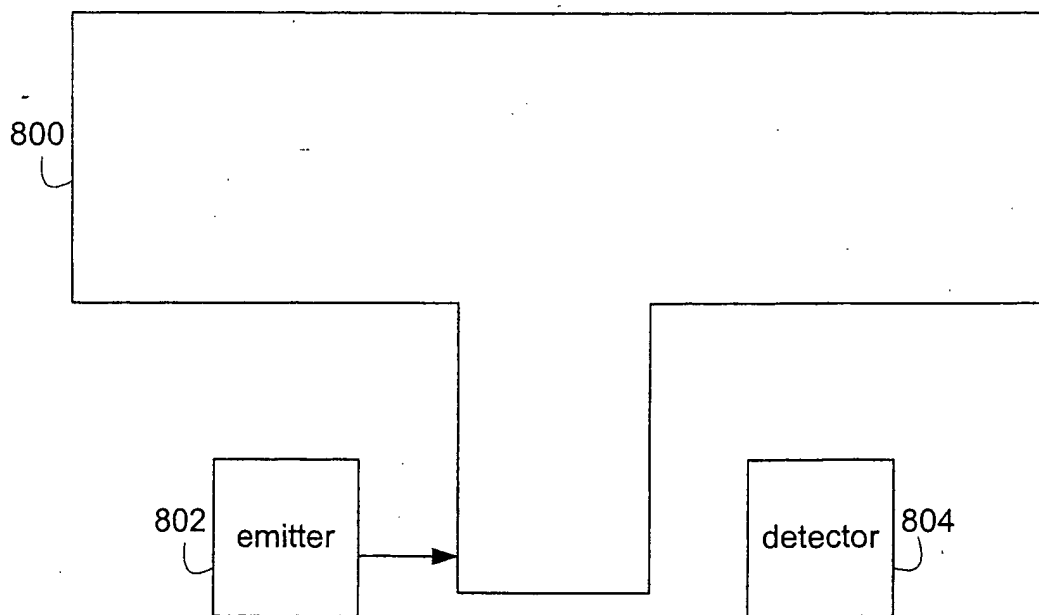


FIGURE 8E

Title: Robotic Vacuum with Localized Cleaning Algorithm
Docket No.: SHPR-01360USc
Appl. No.: To be assigned
Confirm No.: To be assigned
Filed: Herewith
Inventor(s): Parker
Attorney: Joseph P. O'Malley
Phone: (415) 362-3800
Express Mail No: EV 375096155 US
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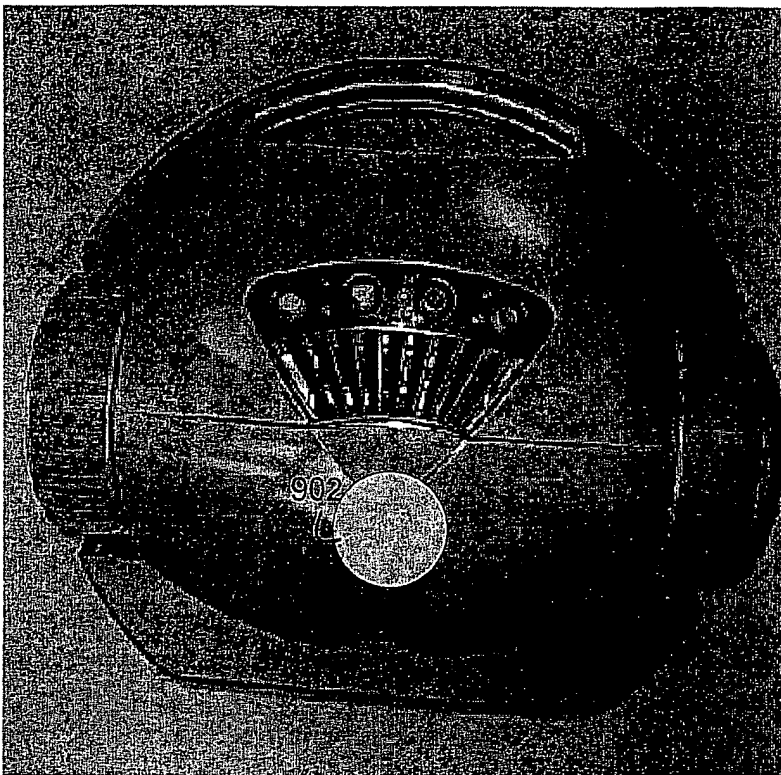


FIGURE 9A

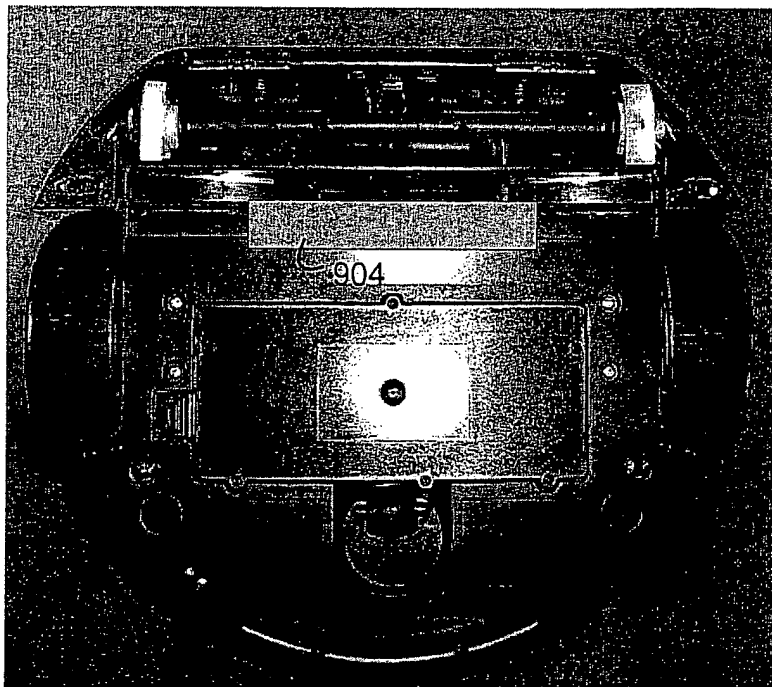


FIGURE 9B

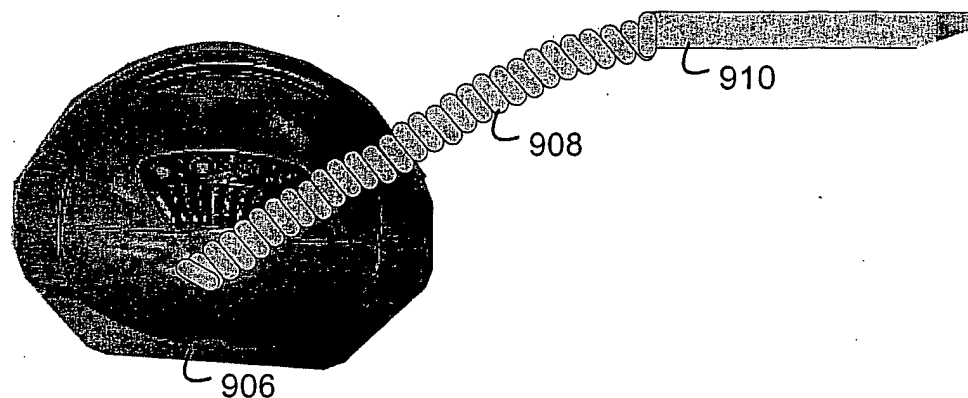


FIGURE 9C

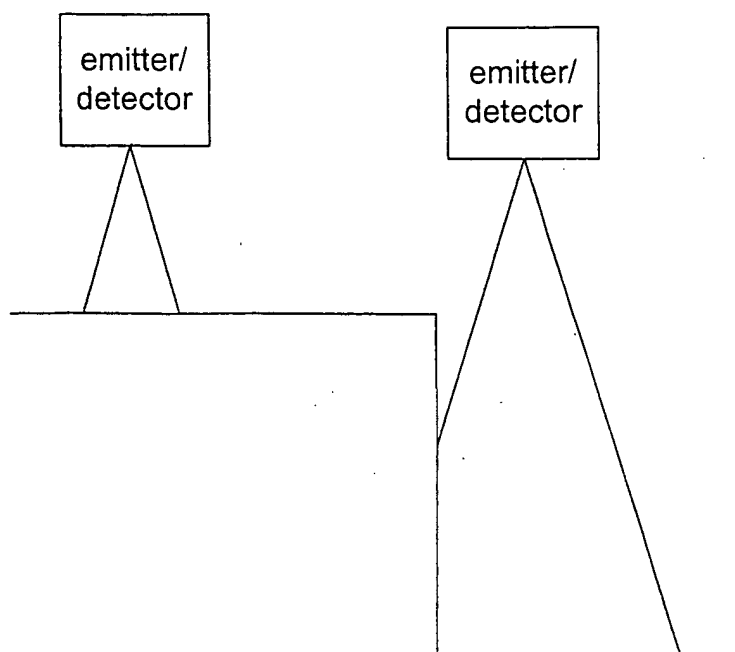


FIGURE 10A

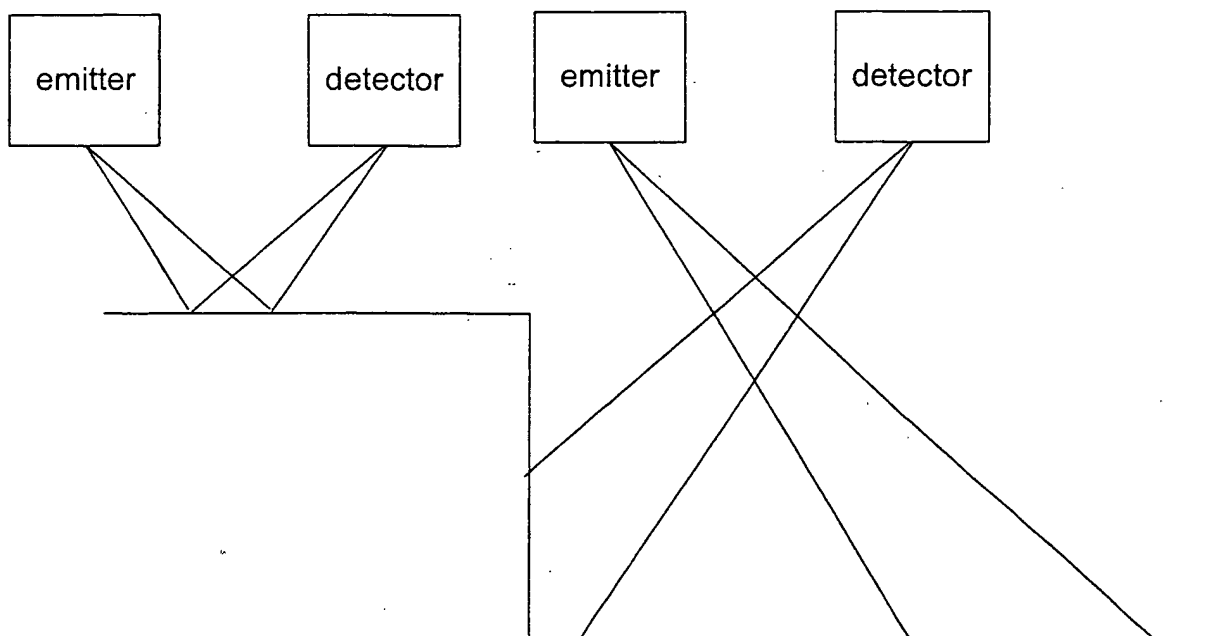


FIGURE 10B

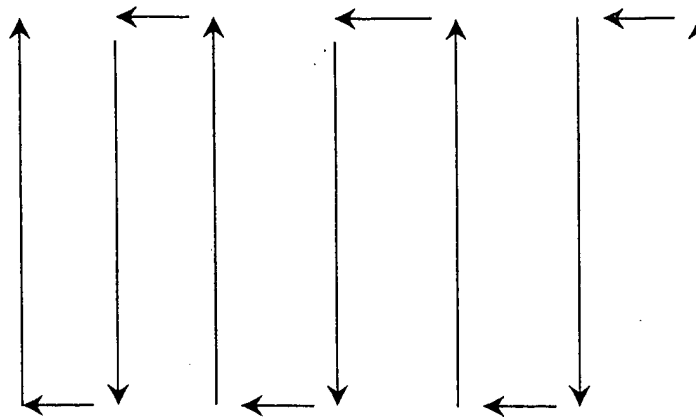


FIGURE 11A

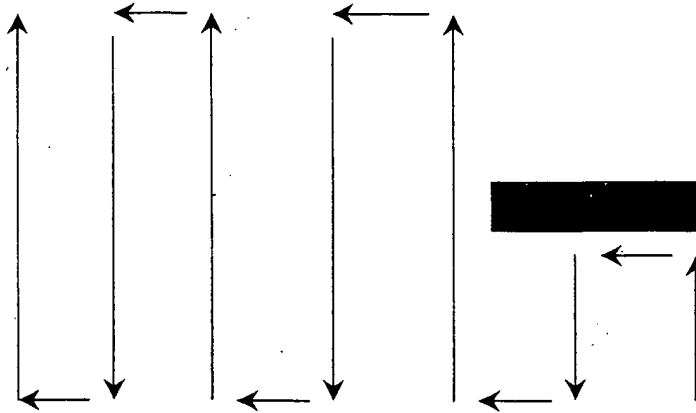


FIGURE 11B

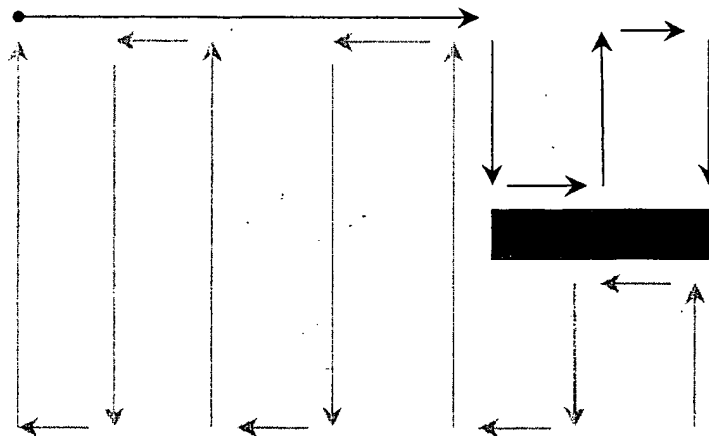


FIGURE 11C

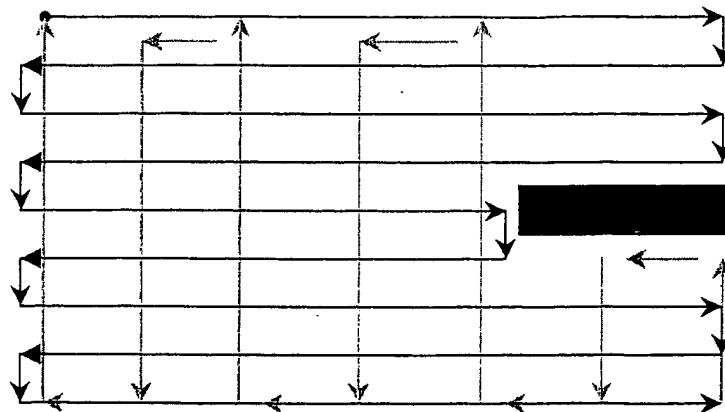
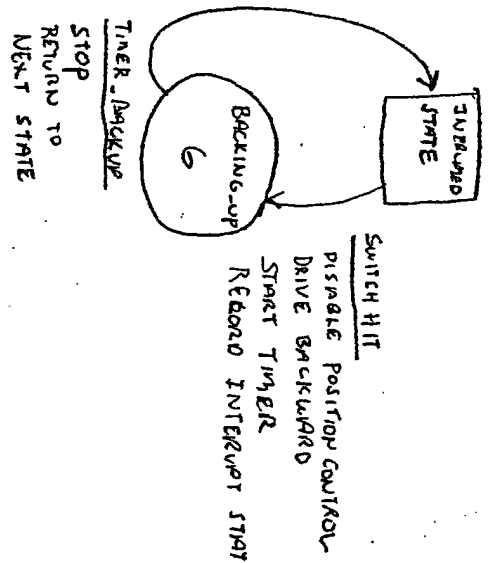


FIGURE 11D



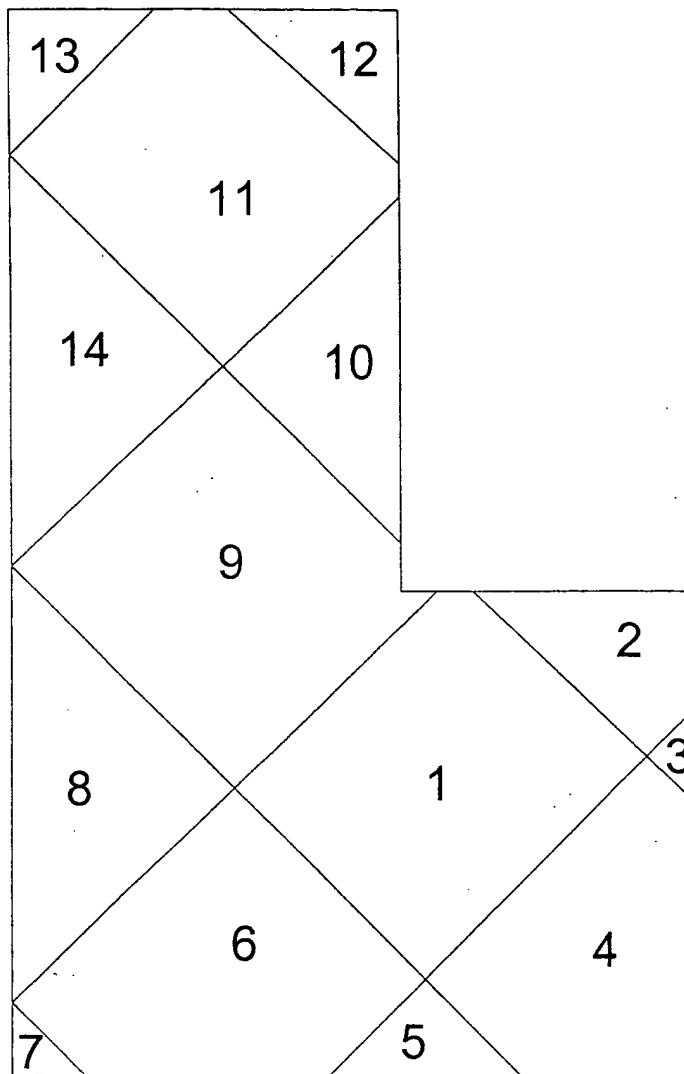


FIGURE 14

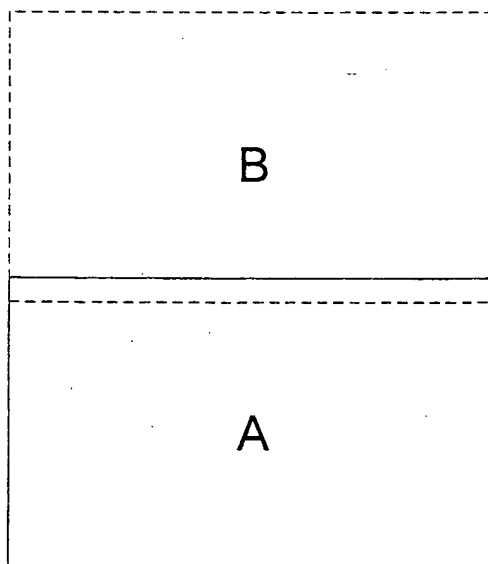


FIGURE 15

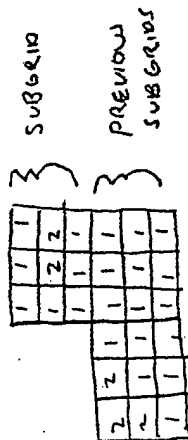
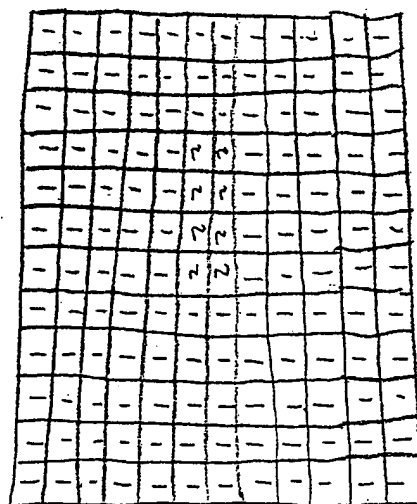


FIGURE 16B



SUBGRID
MAP
FIGURE 16A